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Jarvis et al.

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### (54) GAMING DEVICE HAVING MULTIPLIER POKER GAME

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U.S.C. 154(b) by 71 days.

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(65) Prior Publication Data

US 2013/0217457 A1 Aug. 22, 2013

### Related U.S. Application Data

- (63) Continuation of application No. 13/427,210, filed on Mar. 22, 2012, now Pat. No. 8,419,518, which is a continuation of application No. 11/781,638, filed on Jul. 23, 2007, now Pat. No. 8,147,310, which is a continuation of application No. 10/458,809, filed on Jun. 9, 2003, now Pat. No. 7,247,092.
- (51) **Int. Cl. G07F 17/32** (2006.01)
- (52) U.S. CI. CPC ...... *G07F 17/3293* (2013.01); *G07F 17/32* (2013.01)

### (56) References Cited

#### U.S. PATENT DOCUMENTS

4,743,022	A	5/1988	Wood
5,046,736			Bridgeman et al.
5,255,915	Α		Miller
5,280,915	A	1/1994	Groussman
5,288,082	A	2/1994	Marquez
5,294,120	A	3/1994	Schultz
		(Continued)	

### FOREIGN PATENT DOCUMENTS

AU	199716432	9/1997
AU	A-50327/96	10/1997
	(Co	ntinued)

American Thunder Screen Shots written by IGT, published in 1998. (Continued)

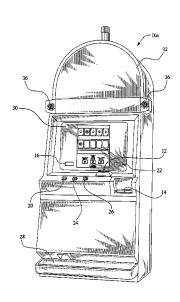
OTHER PUBLICATIONS

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LLP

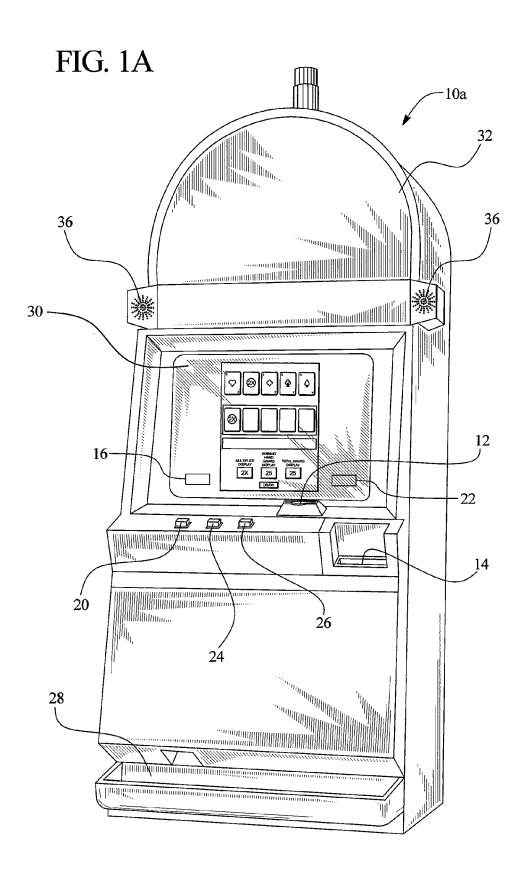
### (57) ABSTRACT

A video poker gaming device, a method of operating a gaming device and a method of playing a poker game including a plurality of cards displayed to a player where the cards are drawn from a deck of fifty-two cards including at least one modifier card. The gaming device deals a first draw of the cards to form a player's hand. Any multiplier cards in the player's hand are replaced by a non-multiplier card. The gaming device enables the player to hold any of the cards in the hand and then determines if any winning card combinations are indicated by the non-multiplier cards in the hand. An award associated with any indicated winning card combinations is provided to the player. The award is multiplied by the multipliers associated with any multiplier cards in the player's hand.

### 22 Claims, 20 Drawing Sheets



(56)		Referen	ces Cited		547,663 B1 561,904 B2		Delott et al. Locke et al.
	TIO	DATEDATE	DOCUMENTES				Beaulieu
	U.S.	PALENT	DOCUMENTS		695,699 B2		Fox et al 273/292
					708,975 B1 *		
	,393,057 A		Marnell, II	0,	719,630 B1		Seelig et al.
	,415,404 A		Joshi et al.	0,	857,957 B2		Marks et al.
	,456,465 A	10/1995			247,092 B2		Jarvis et al.
	,489,101 A	2/1996		2003/0	0130030 A1	7/2003	Delott et al.
	,531,448 A	7/1996	Moody				
	,564,701 A	10/1996			FOREIG	N PATE	NT DOCUMENTS
	,718,631 A	2/1998	Invencion				
	,732,948 A		Yoseloff	$\mathbf{A}\mathbf{U}$	A-63553	/98	10/1998
	,732,950 A	3/1998	Moody	$\mathbf{A}\mathbf{U}$	7519	960	9/1999
	,755,621 A		Marks et al.	CA	2 265	283	9/1999
	,816,916 A	10/1998		$\mathbf{EP}$	0798	676 A1	10/1997
5,	,823,873 A	10/1998	Moody	EP	08743	337 A1	10/1998
5,	,823,874 A	10/1998	Adams	EP		030 A2	3/1999
5,	,848,932 A	12/1998	Adams	EP	0 926	645 A	6/1999
5,	,919,088 A	7/1999		GB	2 328 3	311 A	2/1999
5,	,947,821 A	9/1999		WO	WO 00/12	186	3/2000
5,	,954,335 A	9/1999	Moody	ZA	992		9/1999
6,	,004,207 A	12/1999	Wilson, Jr. et al.				
6,	,007,066 A	12/1999	Moody		OTH	IER PU	BLICATIONS
6,	,059,289 A	5/2000	Vancura				
6,	,062,979 A	5/2000	Inoue				chanicals 1964-1980 Book [In Part],
6,	,089,978 A	7/2000	Adams	Revised	l 3 <sup>rd</sup> Edition writ	ten by M	Iarshall Fey.
6,	,098,985 A	8/2000	Moody				Strictly Slots, published in 2000.
6,	,110,040 A	8/2000	Sanduski et al.	Field Te	esting New Slots	Article.	written by Strictly Slots; published
6,	,149,521 A	11/2000	Sanduski	in Jul. 2		,	<i>y y y</i> 1
6,	,159,097 A	12/2000				ent writt	en by International Game Technol-
6,	,165,069 A	12/2000	Sines et al.		olished in 1999.		,
	,196,918 B1	3/2001	Miers et al.	Leonard	Spots <sup>TM</sup> (websi	te) writte	en by www.igt.com, printed Mar. 21,
6,	,206,374 B1	3/2001	Jones	2001.	ispois (weesi	,	ar by www.igc.com, printed with 21,
6,	,224,483 B1	5/2001	Mayeroff		Multiplier® (we	ehsite) u	written by www.wmsgaming.com,
6,	,231,442 B1	5/2001	Mayeroff		May 22, 2001.	obsite) vi	viitten by www.winsgaming.com,
6,	,238,288 B1	5/2001	Walker et al.			cement v	vritten by VLC, Inc., published in
6,	,248,016 B1	6/2001	Walker et al.	2000.	Roger Adverti	scincii v	vinten by vee, me., published in
6,	,309,300 B1	10/2001	Glavich		ur Diele Artiele	writton b	by Strictly Slots, published to Mar.
6,	,328,649 B1	12/2001	Randall et al.	2001.	out Fick Atticle	willen	by Strictly Slots, published to Mar.
	,334,814 B1	1/2002	Adams				1 WMC Ci I1-1-1-1
6,	,340,158 B2	1/2002	Pierce et al.			written	by WMS Gaming, Inc., published
6,	,347,996 B1	2/2002	Gilmore et al.	prior to		_	
6,	,398,218 B1	6/2002	Vancura				l Advertisement written by Sigma
6,	,406,369 B1	6/2002	Baerlocher et al.	Game, l	Inc., published p	rior to 20	000.
6.	.413,161 B1	7/2002	Baerlocher et al.	X Facto	r Advertisement	and Web	site Page written by WMS Gaming,
,	,416,408 B2		Tracy et al.	Inc., pu	blished in 1998.		
	,419,579 B1		Bennett	Yahtzee	Video Game A	dvertiser	ment, written by Mikohn Winning
	,454,651 B1		Yoseloff		ns Worldwide, p		
	,471,208 B2		Yoseloff et al.		, p.		
	,481,713 B2		Pierce et al.	* cited	by examiner		
0,	,701,/13 132	11/2002	ricice et al.	ched	by examiner		



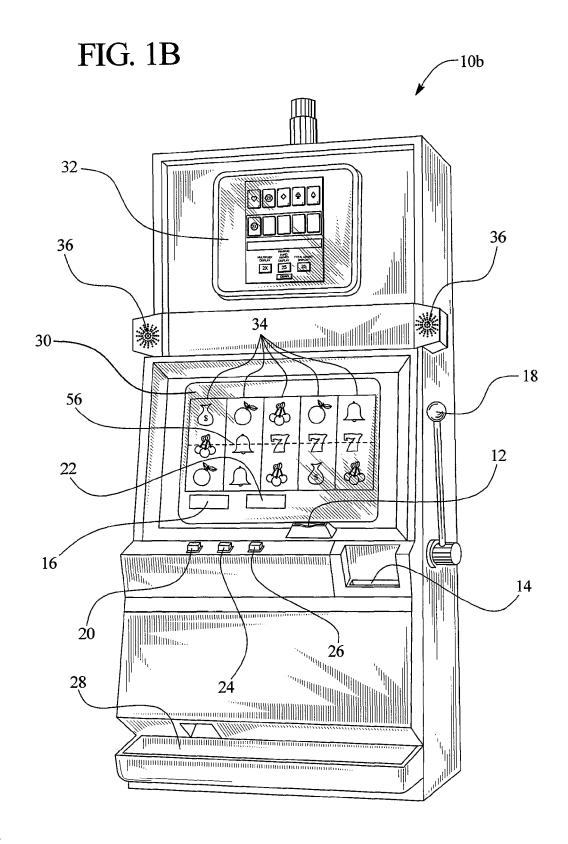


FIG. 2

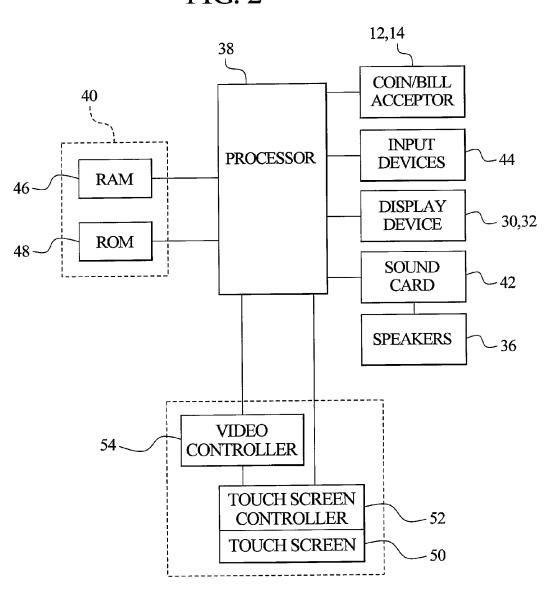


FIG. 3A

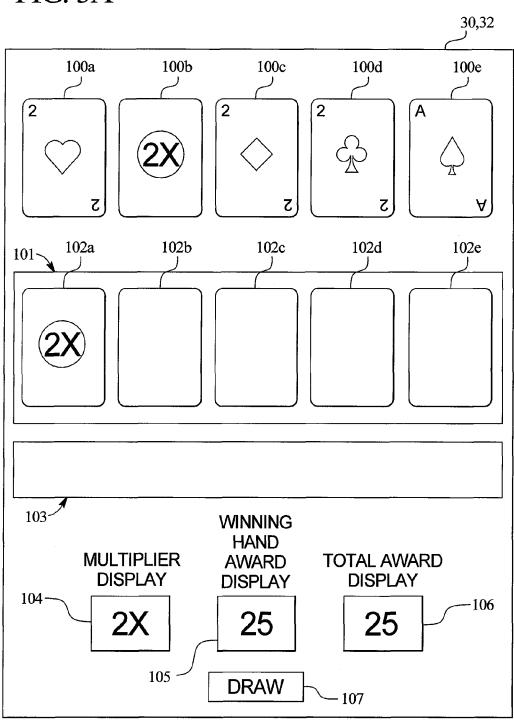


FIG. 3B

<b></b>
AWARD
500
250
150
100
75
50
25
10
5
0

FIG. 4A

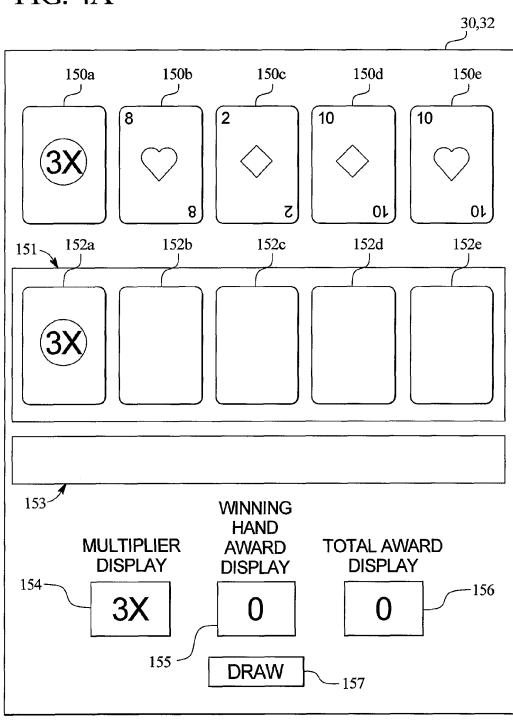
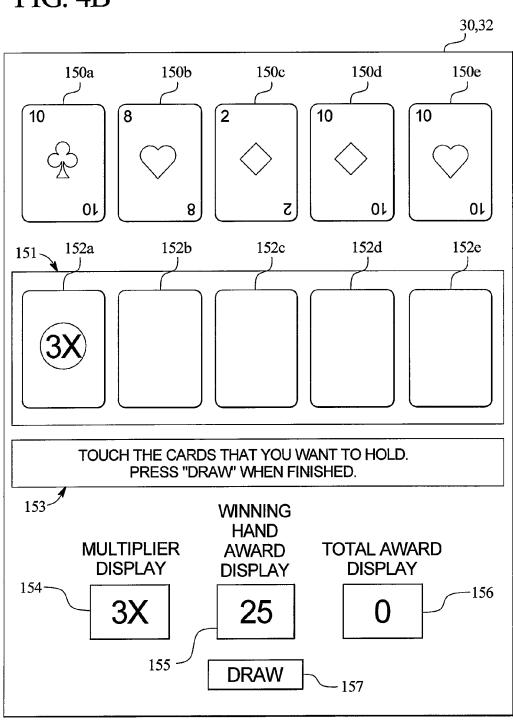


FIG. 4B



Jan. 26, 2016

FIG. 4C

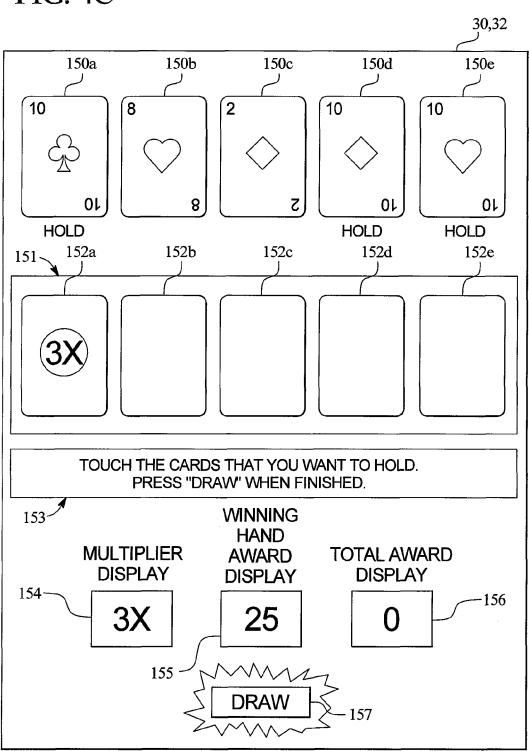


FIG. 4D

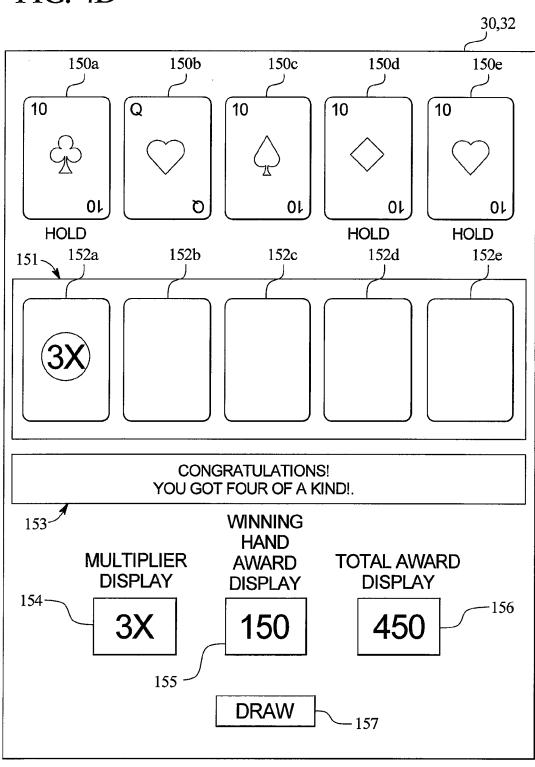


FIG. 5A

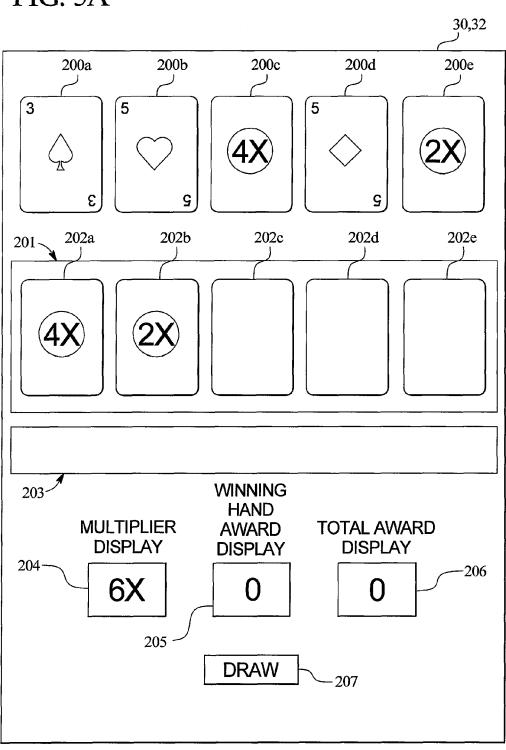


FIG. 5B

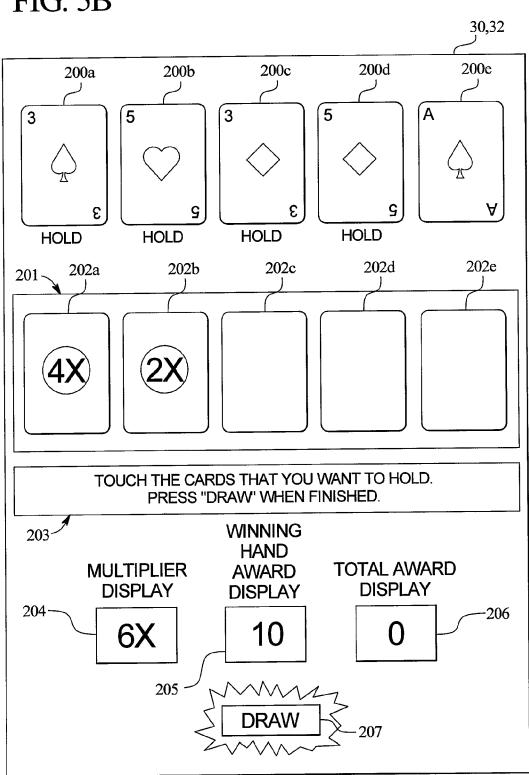


FIG. 5C

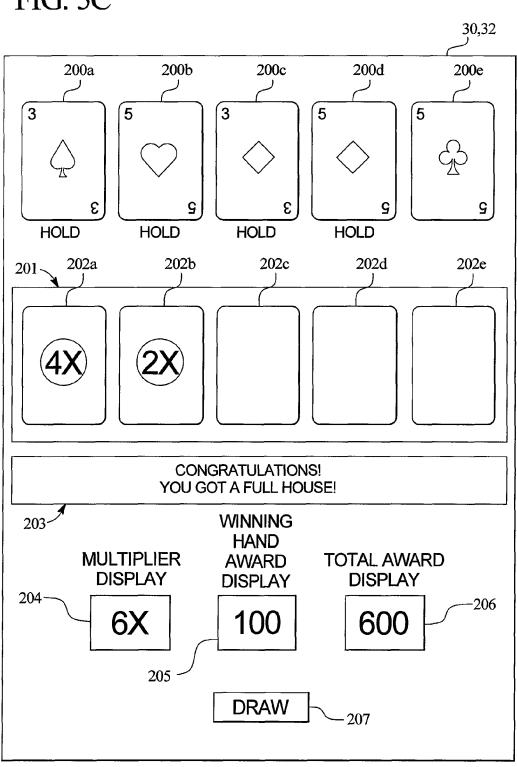


FIG. 6A

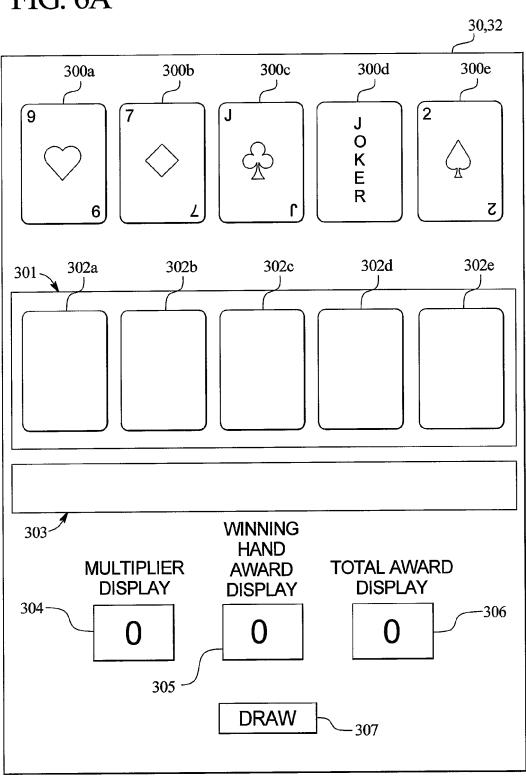


FIG. 6B

306	308
MULTIPLIER	PROBABILITY
2X	40%
3X	25%
4X	15%
5X	12%
6X	5%
7X	2%
8X	1%

FIG. 6C

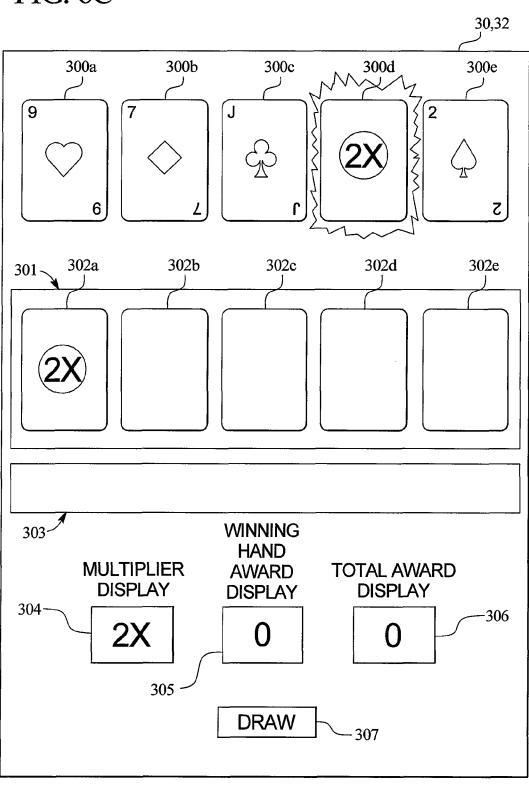


FIG. 6D

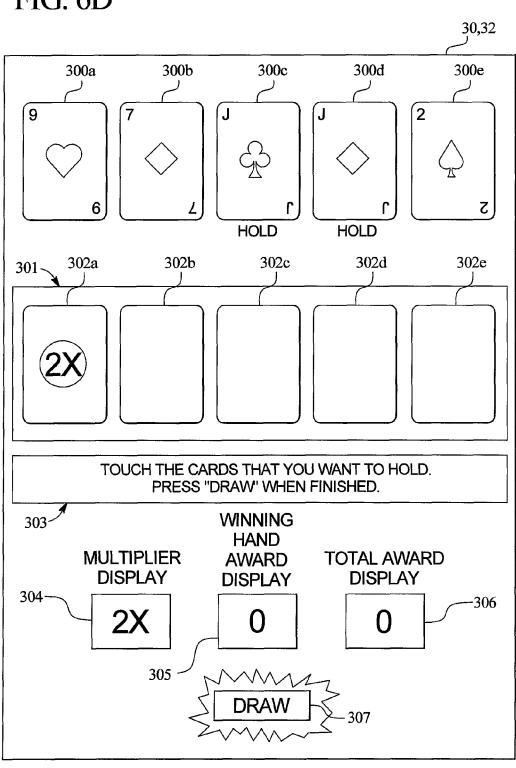
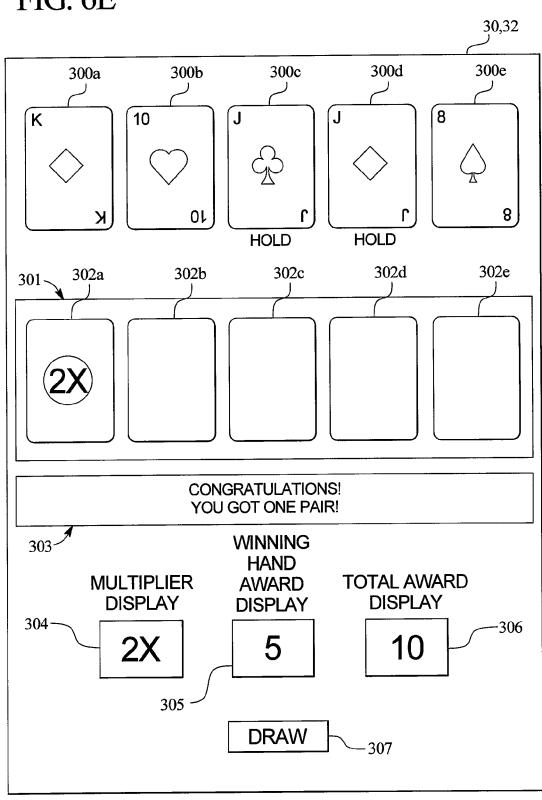
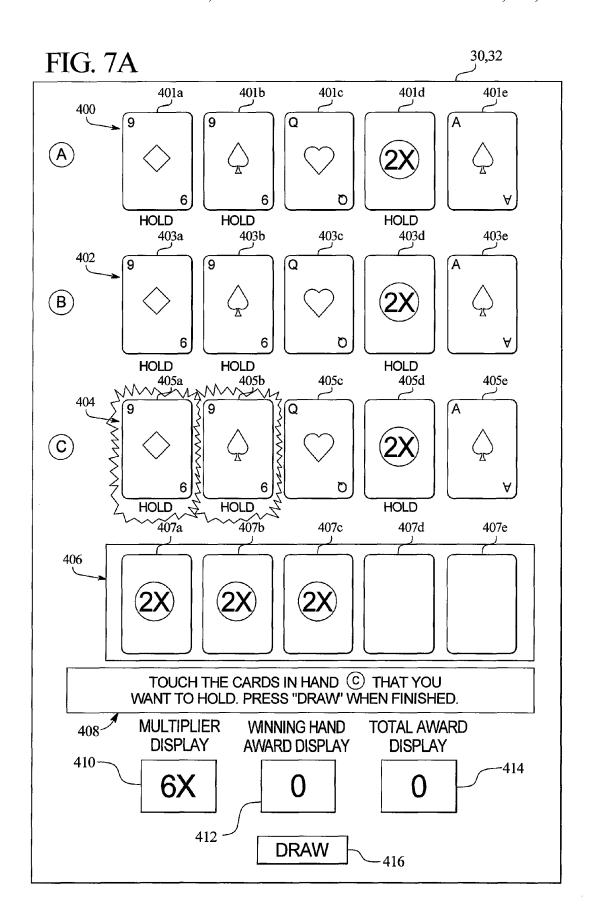
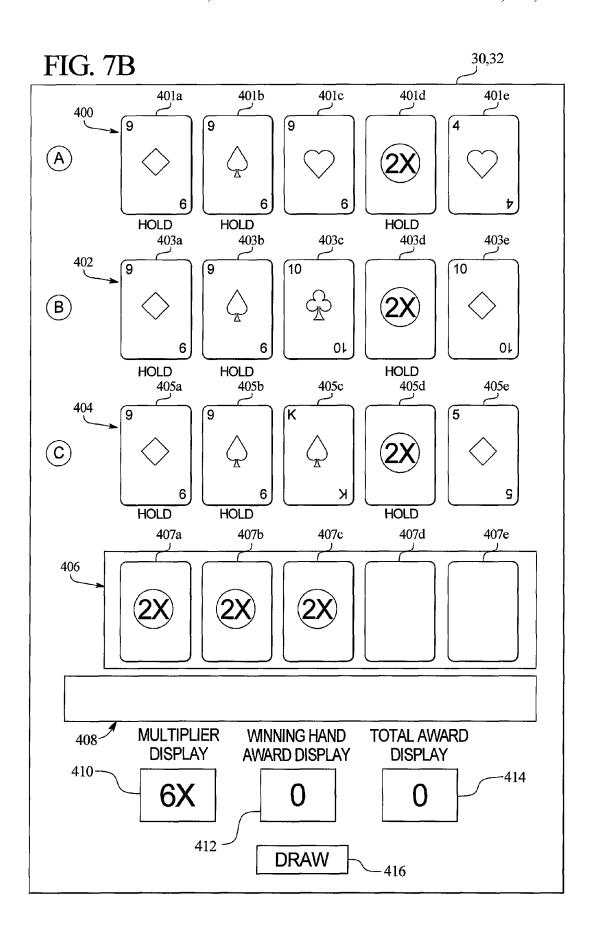
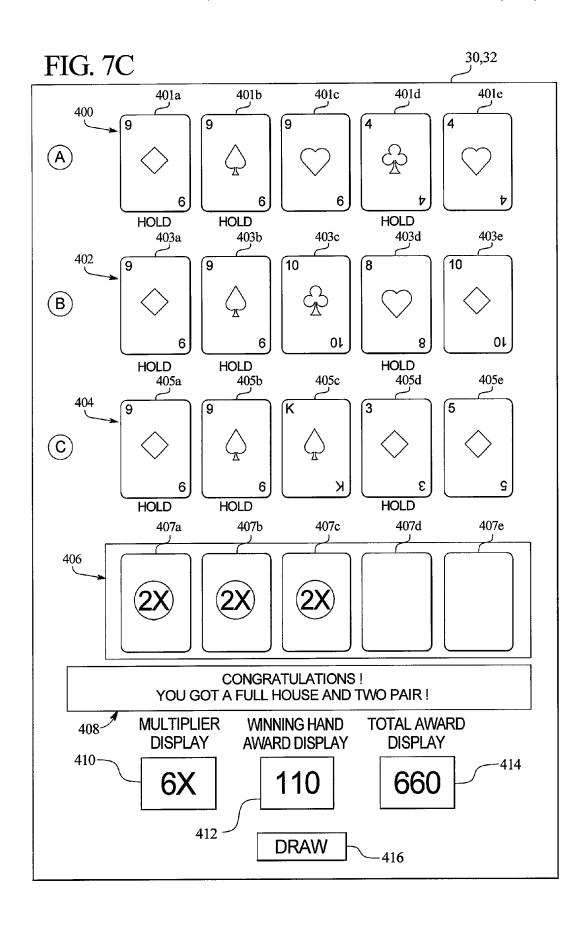


FIG. 6E









### GAMING DEVICE HAVING MULTIPLIER POKER GAME

### PRIORITY CLAIM

This application is a continuation of, and claims priority to and the benefit of, U.S. patent application Ser. No. 13/427, 210, filed on Mar. 22, 2012, which claims priority to and the benefit of, U.S. patent application Ser. No. 11/781,638, filed on Jul. 23, 2007, which issued as U.S. Pat. No. 8,147,310 on Apr. 3, 2012, which is a continuation of, and claims priority to and the benefit of, U.S. patent application Ser. No. 10/458, 809, filed on Jun. 9, 2003, which issued as U.S. Pat. No. 7,247,092 on Jul. 24, 2007, the entire contents of each of which are incorporated herein by reference.

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### BACKGROUND

Gaming machine manufacturers constantly strive to make wagering gaming machines that maximize enjoyment and accitement for players. Thus, manufacturers create gaming machines that include several different types of wagering games. One such wagering game is video draw poker. Most video draw poker gaming machines implement conventional poker rules by dealing five initial cards face up from a standard deck of fifty-two cards and allowing the player to hold any number of the initial cards for a subsequent draw. The player can press a draw button, which causes the non-held cards to be randomly replaced with new cards from the deck. The player is provided an award for winning combinations of cards (i.e., a winning hand), if any, according to a payout table.

Games that provide players with large awards or the potential to win large awards are especially attractive to players. One way that gaming device manufacturers provide larger 45 awards to players is by using multipliers. A multiplier increases the award amount proportionally to the value of the multiplier. For example, a "2×" multiplier causes a payment to the player of twice the normal award value. A "3×" multiplier causes a payment to the player of three times the normal 50 award value. Thus, a multiplier substantially increases a player's award.

It should be appreciated that multipliers may substantially elevate award returns and increase player excitement and enjoyment. Players enjoy playing for large awards. Players also enjoy new and different games, including new and different poker games. Thus, it is desirable to provide a video poker game and a method of playing poker that includes multipliers and provides players with opportunities to obtain large awards.

### **SUMMARY**

The present invention provides a gaming device including a video or virtual poker game, a method of operating a gaming 65 device and a method of playing a poker game which includes playing cards having at least one modifier card such as a

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multiplier card. The multiplier card increases a player's award in the game and increases a player's excitement and enjoyment of the game. In an alternative embodiment, the modifier such as the multiplier is not provided through a card, but is provided in another suitable manner as discussed herein.

In one embodiment, the gaming device includes a conventional deck of fifty-two virtual playing cards from which the gaming device draws cards to deal to a player in a hand and display on a display device. The gaming device may include one deck, two decks or any suitable number of decks of the virtual playing cards. It should be appreciated that although the present invention includes a conventional deck of fifty-two playing cards, any other suitable types of cards may be employed in the present invention. Additionally, the deck of virtual playing cards includes at least one modifier card such as a multiplier card. The gaming device also includes a multiplier display, a winning hand award display and a total award display for displaying the total multiplier, the winning hand award for a particular hand and the total accumulated award in the game, respectively.

In one embodiment, the gaming device includes a video draw poker game in which the gaming device displays a first draw of cards including a designated number of the cards from a conventional deck of fifty-two cards to a player, where the first draw of cards forms the player's hand. The number of cards in the first draw of cards may be randomly determined, pre-determined or determined in any suitable manner. If a multiplier card is displayed in the hand after the first draw, the multiplier card is replaced with a non-multiplier card from the deck of fifty-two cards. The gaming device then enables the player to hold or keep one or more of the cards in the hand by pressing or touching the cards on the display device. In another embodiment, the player presses inputs such as keys on a keypad, which correspond to each of the cards, to hold the cards in the hand. The held cards remain in the hand (i.e., the held cards are not replaced) and the gaming device performs a second draw of the cards where the second draw of cards replaces the non-held cards in the hand. It should be appreciated that any suitable number of draws may be provided to a player in the game. After the second draw of cards, the gaming device evaluates the card combination or the symbol combination indicated by the cards in the player's hand to determine if a winning combination of cards or a winning hand is indicated by the cards. If a winning hand is indicated by the cards, the gaming device provides the player with an award, which is displayed in a winning hand award display. The award is multiplied by a multiplier associated with the multiplier card if the multiplier card was displayed in the first draw of cards. The multiplied award, if any, is transferred to the player's total award and indicated in the total award display. If a multiplier card was not dealt to the player in the first draw of cards, the winning hand award is transferred directly to the total award display. When the game ends, the player receives the total award indicated by the total award display.

In another embodiment, the deck of fifty-two cards include a plurality of multiplier cards which are displayed to the player in one or more draws of the cards. In one embodiment, only the first or initial draw may include a multiplier card or cards. In another embodiment, a plurality of draws may include multiplier cards. In a further embodiment, all of the draws include multiplier cards. In one aspect of this embodiment, two or more multipliers associated with the multiplier cards dealt in a draw of cards are summed or added together to provide a total multiplier to a player for the game. In another aspect of this embodiment, the multipliers associated

with two or more multiplier cards dealt in a draw of cards are multiplied together to provide a total multiplier to the player for the game. In either aspect, any award associated with winning card combinations are modified or multiplied by the total multiplier, if any, for the game. The multiplied award is transferred to the total award display and provided to the player at the end of the game.

In a further embodiment, the multiplier cards are specific cards such as the joker cards in the deck of playing cards. In this embodiment, a plurality of multipliers are associated with 10 each of the joker cards in a game. Each multiplier is associated with a probability of being selected by the processor such that the multiplier is assigned or associated with a joker card based on the probabilities. If a joker card or joker cards are dealt in the first draw of cards which forms a player's hand, the gaming device randomly assigns a multiplier to each joker card (i.e., multiplier card) in the hand based on the probabilities. In one embodiment described above, the multipliers associated with the joker cards are summed together to provide a total multiplier for the game. Alternatively, the multi- 20 pliers associated with the joker cards are multiplied together to provide the total multiplier for the game. The probabilities associated with the multipliers may be any suitable probabilities. It should be appreciated that the multiplier cards may be joker cards, or any other suitable card in a conventional deck 25 of fifty-two cards.

In a further embodiment, the gaming device includes a video poker game which displays a plurality of playing card hands. Each hand is formed by randomly drawing cards from a conventional deck of fifty-two cards which includes at least one multiplier card. It should be appreciated that the gaming device may display two, three or any suitable number of playing card hands to the player. The number of playing card hands may be predetermined, randomly determined, based on a wager made by the player or determined in any suitable manner. In a first draw of the cards, the designated number of playing cards in each hand are dealt to the player. In one embodiment, the playing cards dealt to the player in each of the hands are the same cards. The player then chooses or picks the cards (i.e., touches the cards) in one of the hands, such as 40 the first hand, to indicate the cards to be held in all of the hands

In one embodiment, when a multiplier card is dealt to the player in the first draw of cards, the player can choose to hold the multiplier card or to not hold the multiplier card. If the 45 player holds the multiplier card, the player receives the multiplier associated with only one of the held multiplier cards in the hands. In another embodiment, the player receives the summation of the multipliers associated with the held multiplier cards in each of the hands. Additionally, in one embodiment, the multiplier card may only be obtained in the first draw of cards. In another embodiment, the multiplier card may be obtained in any of the draws of the cards.

After the player picks the cards to be held in the hands, the gaming device provides a second draw of the cards to replace the non-held cards in each of the hands. The gaming device randomly replaces the non-held cards in each of the hands with cards randomly selected from the remaining cards in the card deck or set. Accordingly, the player has multiple opportunities based on the number of hands that the player is playing in the game, to obtain a winning card hand. In another embodiment, the hands displayed to the player after the first draw include different cards and the gaming device enables the player to independently pick the cards to be held in each of the hands.

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In one embodiment, the gaming device determines if the non-multiplier cards in each of the hands forms a winning 4

card combination or winning hand. An award is provided to the player for any winning card combinations in the hands. In one embodiment, the player receives the sum of the awards associated with any winning hands, if there is more than one winning hand in the game. In another embodiment, the player only receives the highest award associated with the winning hands, if any, in the game. The gaming device then determines a total multiplier based on the multipliers associated with the multiplier cards, if any, included in the card hands. The accumulated award associated with any winning card hands is multiplied by the total multiplier to provide a total award for the game. The total award is then transferred to the total award display.

It should be appreciated that the present invention may be employed in a draw video poker game, stud video poker game or any suitable type of video poker game. It should also be appreciated that the game of the present invention may be employed as a table card game, instead of a machine implemented game. It should further be appreciated that the present invention may be employed as a primary game or a secondary game of a wagering gaming device. It should also be appreciated that the present invention may be employed in another card game such as blackjack or other suitable games.

In an alternative embodiment of the present invention, the multiplier (or other suitable modifier) is not provided as part of the deck. In this embodiment, the occurrence of the multiplier is randomly determined to apply to a hand or not to apply to a hand.

The multiplier may be displayed to the player when the first cards are dealt to enable the player to know that the multiplier will apply to the hand if the player wins. In another embodiment, the multiplier may not be displayed until after the first draw. In a further embodiment, the multiplier may be provided in each hand. In this embodiment, the amount of the multiplier is randomly determined and therefore may vary with each hand. It should be appreciated that the amount of the multiplier may be randomly determined, pre-determined or determined in any suitable manner.

It is therefore an advantage of the present invention to provide a gaming device having a video poker game and a method of playing a poker game which includes a multiplier card wherein a player has an opportunity to obtain a potentially large award in the game.

Another advantage of the present invention is to provide a gaming device having a video poker game and a method of playing a poker game which include at least one deck of cards including a plurality of multiplier cards.

Another advantage of the present invention is to provide a gaming device including a video poker game and a method of playing a poker game that provide several opportunities to obtain relatively large awards by providing different methods of obtaining multiplier cards in the game.

Other objects, features and advantages of the invention will be apparent from the following detailed disclosure, taken in conjunction with the accompanying sheets of drawings, wherein like numerals refer to like parts, elements, components, steps and processes.

Additional features and advantages are described herein, and will be apparent from, the following Detailed Description and the figures.

### BRIEF DESCRIPTION OF THE FIGURES

FIG. 1A is a front perspective view of one embodiment of 65 the gaming device of the present invention.

FIG. 1B is a front perspective view of another embodiment of the gaming device of the present invention.

FIG. 2 is a schematic block diagram of the electronic configuration of one embodiment of the gaming device of the present invention.

FIG. 3A is an enlarged elevation view of one embodiment of the gaming device of the present invention.

FIG. 3B is a schematic of an award table associated with the embodiment of FIG. 3A.

FIGS. 4A to 4D are enlarged front elevation views illustrating an example of the embodiment of FIGS. 3A and 3B.

FIGS. 5A to 5C are enlarged elevation views of an example 10 of another embodiment of the gaming device of the present invention in which the cards include a plurality of multiplier cards

FIG. **6**A is an enlarged elevation view of a further embodiment of the gaming device of the present invention where a specific card in a deck of cards is designated as a multiplier card.

FIG. 6B is a schematic of a multiplier table associated with the embodiment of FIG. 6A.

FIGS. 6C to 6E are enlarged elevation views of an example 20 of the embodiment of FIG. 6A.

FIGS. 7A to 7C are enlarged elevation views of an example of another embodiment of the gaming device of the present invention illustrating a multi-hand video draw poker game.

#### DETAILED DESCRIPTION

### Gaming Device and Electronics

Referring now to the drawings, two embodiments of the 30 gaming device of the present invention are illustrated in FIGS. 1A and 1B as gaming device 10a and gaming device 10b, respectively. Gaming device 10a and/or gaming device 10b are generally referred to herein as gaming device 10. Gaming device 10 is in one embodiment, a video poker game 35 constructed so that a player can operate it while standing or sitting, and gaming device 10 is preferably mounted on a console. However, it should be appreciated that gaming device 10 can be constructed as a pub-style tabletop game (not shown) which a player can operate preferably while 40 sitting. Furthermore, gaming device 10 can be constructed with varying cabinet and display designs, as illustrated by the designs shown in FIGS. 1A and 1B. Gaming device 10 can also be implemented as a program code stored in a detachable cartridge for operating a hand-held video game device. Also, 45 gaming device 10 can be implemented as a program code stored on a disk or other memory device, which a player can use in a desktop or laptop personal computer or other computerized platform.

Gaming device 10 can incorporate any primary or base 50 game and any secondary or bonus triggering events and any suitable bonus round games. The symbols and indicia used on and in gaming device 10 may be in mechanical, electrical, electronic or video form.

As illustrated in FIGS. 1A and 1B, gaming device 10 55 includes a coin slot 12 and bill acceptor 14 where the player inserts money, coins or tokens. The player can place coins in the coin slot 12 or paper money or ticket vouchers in the bill acceptor 14. Other devices could be used for accepting payment such as readers or validators for credit cards or debit 60 cards. When a player inserts money in gaming device 10, a number of credits corresponding to the amount deposited is shown in a credit display 16. After depositing the appropriate amount of money, a player can begin the game by a selector such as pushing play or draw button 20. Play button 20 can be 65 any play activator used by the player which starts any game or sequence of events in the gaming device.

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As shown in FIGS. 1A and 1B, gaming device 10 also includes a bet display 22 and a bet one button 24. The player places a bet by pushing the bet one button 24. The player can increase the bet for a single poker hand by one credit each time the player pushes the bet one button 24. Alternatively, the player can play multiple poker hands by pushing the bet one button 24 a number of times equal to the number of desired poker hands in a game up to a designated number of hands. When the player pushes the bet one button 24, the number of credits shown in the credit display 16 decreases by one, and the number of credits shown in the bet display 22 increases by

A player may cash out and thereby receive a number of coins corresponding to the number of remaining credits by pushing a cash out button 26. When the player cashes out, the player receives the coins in a coin payout tray 28. The gaming device 10 may employ other payout mechanisms such as credit slips redeemable by a cashier or electronically recordable cards which keep track of the player's credits.

Gaming device 10 also includes one or more display devices. The embodiment shown in FIG. 1A includes a central display device 30, and the alternative embodiment shown in FIG. 1B includes a central display device 30 as well as an upper display device 32. A display device can be any viewing surface such as glass, a video monitor or screen, a liquid crystal display or any other display mechanism.

As illustrated in FIG. 2, the general electronic configuration of gaming device 10 generally includes: a processor 38; a memory device 40 for storing program code or other data; a central display device 30; an upper display device 32; a sound card 42; a plurality of speakers 36; and one or more input devices 44. The processor 38 is preferably a microprocessor or microcontroller-based platform which is capable of displaying images, symbols and other indicia such as images of people, characters, places, things and faces of cards. The memory device 40 can include random access memory (RAM) 46 for storing event data or other data generated or used during a particular game. The memory device 40 can also include read only memory (ROM) 48 for storing program code which controls the gaming device 10 so that it plays a particular game in accordance with applicable game rules and pay tables.

As illustrated in FIG. 2, the player preferably uses the input devices 44, such as play button 20, the bet one button 24 and the cash out button 26 to input signals into gaming device 10. In certain instances it is preferable to use a touch screen 50 and an associated touch screen controller 52 instead of a conventional video monitor display device. Touch screen 50 and touch screen controller 52 are connected to a video controller 54 and processor 38. A player can make decisions and input signals into the gaming device 10 by touching touch screen 50 at the appropriate places. As further illustrated in FIG. 2, the processor 38 can be connected to coin slot 12 or bill acceptor 14. The processor 38 can be programmed to require a player to deposit a certain amount of money in order to start the game.

It should be appreciated that although a processor 38 and memory device 40 are preferable implementations of the present invention, the present invention can also be implemented using one or more application-specific integrated circuits (ASIC's) or other hard-wired devices, or using mechanical devices (collectively or alternatively referred to herein as a "processor"). Furthermore, although the processor 38 and memory device 40 preferably reside on each gaming device 10 unit, it is possible to provide some or all of their functions at a central location such as a network server for communication to a playing station such as over a local area network

(LAN), wide area network (WAN), Internet connection, microwave link, and the like. The processor **38** and memory device **40** is generally referred to herein as the "computer" or "controller."

With reference to FIGS. 1A, 1B and 2, to operate the 5 gaming device 10 in one embodiment the player must insert the appropriate amount of money or tokens at coin slot 12 or bill acceptor 14 and then push the play or draw button 20. The gaming device will then provide the player with a first draw of playing cards from a plurality of virtual playing cards in a conventional fifty-two card deck. As long as the player has credits remaining, the player can press the play or draw button 20 and the gaming device will provide additional card hands to the player. Depending upon the combination of the playing cards in each hand or the combination of the symbols on the 15 playing cards in each hand, the player may or may not win additional credits.

### Multiplier Card Game

One embodiment of the present invention is directed to a gaming device including a video poker game, a method of operating a gaming device and a method of playing a poker game wherein the playing cards in the games include at least one modifier card such as a multiplier card. In one embodi- 25 ment, the gaming device includes a video poker game that displays a plurality of virtual playing cards randomly selected from a conventional deck or set of fifty-two playing cards. The displayed cards form a player's poker hand or hand in the game. If the player's hand includes a multiplier card, the 30 multiplier associated with the multiplier card is used to multiply an award, if any, associated with any winning card combinations associated with the player's hand in the game. Thus, a player has an opportunity to obtain a large award in the game by obtaining the multiplier card. The present invention therefore increases the excitement and enjoyment of the game.

Referring now to FIG. 3A, one embodiment of the gaming device 10 includes a video draw poker game in which a plurality of virtual playing cards such as playing cards 100a, 40 100b, 100c, 100d and 100e are displayed to a player in an initial or first draw of cards from a conventional deck or set of fifty-two playing cards. The playing cards each include a card suit such as a spade, a heart, a diamond or a club and a number, or a face card such as a Jack, Queen, King or Ace. In one 45 embodiment, the cards also include at least one Joker card. Additionally, the cards include at least one modifier card such as the multiplier card 100b, which includes a multiplier of  $2\times$ . The multiplier may be any suitable multiplier such as  $2\times$ ,  $3\times$ or 4x. Also, the multiplier may be randomly determined, 50 predetermined or determined in any other suitable manner. A multiplier card display 101 displays any multiplier cards that appear in the player's hand. The multiplier card display 101 includes multiplier card positions 102a, 102b, 102c, 102d and 102e. When a multiplier card or multiplier cards appear in a 55 player's hand, the multiplier card or cards are transferred to the multiplier card display 101 and placed in one of the multiplier card positions 102. In this manner, the gaming device displays the multiplier card or cards to the player so that the player can keep track of the multiplier card or cards 60 obtained in the game. Furthermore, a multiplier display 104 displays the multiplier associated with any multiplier cards obtained by the player in the game. A winning hand award display 105 displays the award associated with any winning symbol combinations on the cards or winning hands obtained 65 by the player in a game. The award displayed in the winning hand award display 105 is multiplied by the multiplier dis8

played by the multiplier display 104 to provide a total award to the player for the game. A total award display 106 displays the total award accumulated by the player in the game. The total award indicated by the total award display 106 at the end of the game is the award provided to the player.

In one embodiment, the video poker game of the present invention includes a video draw poker game (such as a five or seven card draw game). In the draw poker game, the processor causes the display device to randomly display a designated number of cards such as cards 100a, 100b, 100c, 100d and 100e to a player. It should be appreciated that any number of cards may be dealt to the player in the game based on the type of poker game that is being implemented. For example, in a five card draw game, the processor deals five cards to the player which forms the player's hand. In this embodiment, the gaming device deals an initial or first draw of the cards to the player where the cards form the player's poker hand or hand in the game. If a multiplier card, such as card 100b, appears in the player's hand, the gaming device displays the multiplier associated with the multiplier card 100b in one of the multiplier locations 102a, 102b, 102c, 102d or 102e in the multiplier card display 101. In this embodiment, the multiplier cards are not a part of the card hand or poker hand or hand. Instead, the gaming device replaces each of the multiplier cards in the hand, if any, with a non-multiplier card randomly selected from the remaining cards in the deck of fifty-two cards. As a result, the multiplier card does not factor into the poker hand when determining whether a winning card combination or winning hand is indicated by the cards in the hand

When the multiplier card or cards, if any, are replaced with non-multiplier cards, the gaming device enables the player to pick one or more of the cards in the hand to hold (i.e., to keep in the hand). In one embodiment, the gaming device enables the player to touch or press the actual cards on the display device to indicate which cards the player desires to hold in the card hand. In another embodiment, a keypad or similar input is connected to the display and the player presses corresponding buttons, inputs or keys on the keypad to indicate which cards the player wishes to hold in the hand. After the player indicates which cards the player wishes to hold in the hand, the gaming device deals an additional or second draw of cards to replace the non-held cards in the card hand. The second draw of cards are randomly selected by the processor from the deck or set of fifty-two virtual playing cards (excluding the other cards dealt to the player or in the player's hand). Therefore, the processor randomly assigns cards to replace the non-held cards in the hand.

The gaming device then determines if the cards in the player's hand include a winning combination of symbols on the cards or a winning combination of cards such as a winning hand as indicated by the designated winning hands displayed in the award table in FIG. 3B. If the player's hand indicates or includes a winning hand as indicated by the designated winning hands in column 108 in FIG. 3B, the gaming device provides the award associated with the winning hand as indicated in column 110 in FIG. 3B. The winning hand award is then displayed in the winning hand award display 105 as shown in FIG. 3A. The winning hand award is multiplied by the multiplier, if any, indicated in the multiplier display 104. The multiplied award is then added to the total award, if any, indicated in the total award display 106. The total award indicated by the total award display 106 at the end of the game is the award provided to the player.

Although the present invention is directed to a draw poker game, it should be appreciated that the video poker game of the present invention may include any type of video poker

game or poker games such as five card stud, five card draw, seven card stud, seven card draw or any suitable poker game. The gaming device preferably provides two draws from the deck of fifty-two playing cards in a game. However, it should be appreciated that any suitable number of draws may be 5 employed in the game. Additionally, although the present embodiment is described with respect to one conventional playing card deck including fifty-two playing cards, it should be appreciated that any suitable number of conventional decks or sets of fifty-two playing cards may be employed in a 10 game. It should also be appreciated that the present invention can also be employed as a table card game such as a card game dealt by a dealer and not necessarily implemented by a processor or implemented by a processor at a card table.

Referring to FIGS. 4A to 4D, an example of the embodi- 15 ment of FIGS. 3A and 3B is illustrated where the gaming device enables a player to play a video draw poker game. Specifically in this example, the video draw poker game is a five card draw game. As illustrated in FIG. 4A, the gaming device randomly deals an initial or first draw of five playing 20 cards from a conventional deck of fifty-two cards to the player including cards **150***a*, **150***b*, **150***c*, **150***d* and **150***e*. Card **150***a* is a multiplier card, which includes a multiplier of 3x. The remaining cards 150b, 150c, 150d and 150e indicate an eight of hearts, a two of diamonds, a ten of diamonds, and a ten of 25 hearts, respectively. Because a multiplier card is indicated in the player's hand formed by the first draw of cards, the multiplier card is transferred or displayed in the multiplier card display 151. In this example, the multiplier card 150a is transferred to the first multiplier card position or location 30 **152***a*. It should be appreciated that the multiplier card may be displayed in any one of the positions in the multiplier card display 151. Additionally, the multiplier of 3x associated with the multiplier card 100a is displayed in the multiplier display 154. Because the player has not obtained an award in the 35 game, the winning hand award display 155 and a total award display 156 indicate zero values or zero. In this example, the gaming device provides the player with two draws from the deck of fifty-two playing cards in the game. Additionally, a multiplier card may only be obtained in the first draw of the 40 cards. It should be appreciated that one draw, a plurality of draws or all of the draws of cards in a game may include at least one multiplier card. Prior to the second draw, the gaming device enables the player to hold or keep one or more of the cards or none of the cards in the player's hand.

Referring to FIG. 4B, the gaming device replaces the multiplier card 150a with a non-multiplier card, which is the ten of clubs. As described above, the player cannot obtain a multiplier and in the second draw. The gaming device prompts or instructs the player to using the instruction display 50 153 to touch the cards that the player wants to hold or keep in the hand, if any. The instruction display further instructs the player to press the "draw" button when the player is finished. The "draw" button initiates the second draw or subsequent draws of the cards. The player's present hand indicates a 55 winning combination of cards including three of a kind (i.e., three cards including the number ten). Therefore, the gaming device indicates the award associated with this winning hand, which is an award of twenty-five as indicated by the award table in FIG. 3B. This enables the player to know whether 60 they have won any awards in the game and to further assist the player in determining which cards to hold or not to hold in the player's hand. If the player determines that the player wants to keep all of the cards that form the winning card hand including three of a kind, the player touches or presses all of 65 the cards in the hand to indicate that the player wishes to hold or keep all of the cards in the hand. When the player is finished

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picking cards to hold, the gaming device performs a second draw of the playing cards, which randomly selects and replaces any of the non-held playing cards in the hand. The gaming device then multiplies the winning hand award of twenty-five by the multiplier of 3× to give the player a total award of seventy-five in the game.

Referring to FIG. 4C, the player decides to continue to play the game and presses or touches cards 150a, 150d and 150e, which include the ten of clubs, ten of diamonds and ten of hearts, respectively. By holding only these cards, the player attempts to obtain additional cards which will provide a better winning hand than the three of a kind indicated by the player's hand after the first draw. Also by holding these cards, the player is guaranteed to obtain at least a winning hand including three of a kind. As illustrated in FIG. 4C, the player presses or touches cards 150a, 150c and 150e to hold or keep these cards and presses the selector or draw button 157 to indicate that the player is finished.

Referring to FIG. 4D, the gaming device deals a second draw of the playing cards to the player to randomly replace the cards in the hand that were not held by the player. The non-held cards are cards 150b and 150c (i.e., the cards that do not have the word "hold" located underneath the card). The gaming device randomly replaces the non-held cards 150b and 150c with the Queen of hearts and the ten of spades, respectively. The player now has a winning hand including four of a kind (i.e., cards 150a, 150c, 150d and 150e which each include the number ten). Thus, the player obtained a better or improved winning hand in the game. The instruction display 153 indicates to the player that the player obtained a winning hand including a combination of four of a kind. The award associated with a winning hand including four of a kind is an award of one hundred fifty as indicated by the award table in FIG. 3B. The winning hand award display 155 indicates the winning hand award of one hundred fifty. The winning hand award of one hundred fifty is multiplied by the multiplier of 3x indicated in the multiplier display 154 to provide the player with a total award of four hundred fifty as indicated by the total award display 156. Because there are only two draws of the playing cards in this game, the game ends after the second draw and the player receives the total award of four hundred fifty.

Referring now to FIGS. 5A to 5C, an example of another embodiment of the present invention is illustrated where the deck or set of fifty-two playing cards includes a plurality of multiplier cards. In this example, the gaming device includes a video draw poker game and displays five cards such as cards **200***a*, **200***b*, **200***c*, **200***d*, and **200***e* to a player in the initial or first draw of the cards. After the first draw of cards, the player's hand includes the cards 200a, 200b, 200c, 200d and 200e, which indicate a three of spades, five of hearts, a multiplier card including a multiplier of 4x, a five of diamonds, and another multiplier card including a multiplier of 2x, respectively. The gaming device transfers the two multiplier cards, cards 200c and 200e, to the multiplier card locations 202a and 202b in multiplier card display 201. In one embodiment, the multipliers associated with the multiplier cards are summed together and indicated in the multiplier display 204. Therefore, in this example, the multipliers of  $4\times$  and  $2\times$ associated with the multiplier cards 200c and 200e are summed together to provide a total multiplier of 6x as indicated by the multiplier display 204. In another embodiment, the multipliers associated with the multiplier cards indicated in a hand are multiplied together to provide the total multiplier. For example, the total multiplier according to this embodiment would be 8x. The instruction display 203 indicates instructions to the player at various points in the game.

The winning hand award display 205 indicates a value of zero because the player has not obtained a winning hand in the game. Similarly, the total award display indicates a total award of zero as indicated by the total award display 206.

Referring now to FIG. 5B, the gaming device provides a 5 non-multiplier card to replace each of the multiplier cards 200c and 200e indicated in the hand. The multiplier card 200cis replaced with a non-multiplier card including the three of diamonds. The multiplier card 200e is replaced with a nonmultiplier card including the Ace of spades. The gaming 10 device now determines if a winning card combination is indicated by the non-multiplier cards 200a, 200b, 200c, 200d and **200***e*. The non-multiplier cards include two pairs or two cards including a three and two cards including a five. The pair of three's (cards 200a and 200c) and pair of five's (cards 200b 15 and 200d) form a winning card combination or winning hand in the game. Thus, the gaming device provides an award of ten which is the award associated with the winning card combination including two pairs of cards as illustrated in the award table shown in FIG. 3B. The award of ten is multiplied by the 20 total accumulated multiplier of 6x as indicated by the multiplier display 204. The total award remains at zero as indicated by the total award display 206 because there is one draw remaining in the game.

Once the multiplier cards 200c and 200e are replaced with 25 non-multiplier cards, the instruction display 203 instructs the player to "Touch the cards that you want to hold. Press 'Draw' when Finished." The gaming device enables the player to pick one or more of the cards in the hand to hold or keep in the player's hand. In this example, the player picks the cards the 30 player wishes to hold or keep in their hand by touching or pressing the actual card on the display. As shown in FIG. 5B, the player opts to touch and thereby hold cards 200a, 200b, 200c and 200d. This guarantees that the player will get a winning card hand that at least includes two pairs of cards. 35 The gaming device will therefore replace the non-held card, card 200e, with a randomly selected card from the deck or set of fifty-two playing cards. The player presses the draw button 207 as shown when the player is finished picking the cards to hold or keep in the hand to initiate another draw of the cards. 40

Referring to FIG. 5C, the gaming device replaces the nonheld card 200e with a new card, which is the five of clubs. The addition of the five of clubs to the player's hand provides the player with a winning hand that includes a full house (i.e., three cards including the number three and two cards includ- 45 ing the number five). The gaming device also indicates to the player that the player obtained a full house in the game using the instruction display 203. An award of one hundred, which is associated with a winning hand including a full house as indicated by the award table shown in FIG. 3B, is provided to 50 the player as indicated by the winning hand award display 205. Thus, the winning hand award of one hundred is multiplied by the total accumulated multiplier of 6x, as indicated in the multiplier display 204, and provided to the player. The multiplied award of six hundred is provided to the player as 55 indicated in the total award display 206. Because the game only includes two draws of the playing cards, the game ends after the second draw and the player receives the total award of six hundred for that game.

Referring to FIGS. 6A to 6E, an example of another 60 embodiment of the present invention is illustrated where the multiplier cards are represented by a specific card in the deck of fifty-two cards such as the joker card. It should be appreciated that one or a plurality of the cards in the deck may be designated as multiplier cards. In this example, the joker 65 cards do not initially include multipliers. Instead, if a joker card or cards are displayed in the initial draw of cards to the

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player (i.e., the player's hand), the gaming device randomly assigns a multiplier to each joker card. The multiplier assigned to the joker card is randomly selected from a plurality of multipliers (column 306) as indicated in the multiplier table shown in FIG. 6B. As shown in FIG. 6B, a probability of being selected by the gaming device or processor is associated with each of the multipliers (column 308) such that the multipliers are assigned to the joker card or cards based on the probabilities. In one embodiment, the probability associated with a relatively small multiplier such as  $2 \times$  is greater than the probability associated with a relatively large multiplier such as 8x. In another embodiment, all of the probabilities associated with the multipliers are the same. In a further embodiment, at least one of the multipliers is different. In another embodiment, a plurality of the multipliers are different. It should be appreciated that any suitable probability may be associated with the multipliers. It should also be appreciated that any suitable multipliers may be employed in a game.

Referring to FIG. 6A, the gaming device displays an initial or first draw of cards to form the player's hand in the game. In this example, the initial draw of cards 300a, 300b, 300c, 300d and 300e indicate cards including the nine of clubs, the seven of diamonds, the Jack of clubs, a Joker card and the two of spades, respectively. The multiplier card display 301 includes five multiplier card positions or locations 302a, 302b, 302c, 302d and 302e. The multiplier or multipliers associated with one or more Joker cards indicated in a hand are transferred and displayed in the multiplier card display when a multiplier is associated with the Joker card or cards. Furthermore, an instruction display 303 indicates instructions or statements to a player during the course of the game to prompt the player to perform some action in the game or to indicate a winning hand in the game. A multiplier display 304 indicates the total accumulated multiplier obtained by the player in the game. The winning hand award display 305 indicates the award associated with any winning hands obtained by the player in the game. The total award display 306 indicates the total award accumulated by the player in the game. The draw button or input 307 enables the player to communicate with the processor of the gaming device to provide an additional draw or draws of cards up to the draw limit in the game.

Referring to FIG. 6B, a multiplier table is illustrated where column 306 indicates the multipliers associated with the game and column 308 indicates the probability of each multiplier being selected by the processor in the game. For example, the probability that the multiplier of  $2\times$  will be selected by the processor and associated with a joker card in the game is 40%. Comparatively, the probability that the processor will select a multiplier of  $8\times$  to associate with a joker card in the game is only 1%. Thus it is more likely in this example that a multiplier of  $2\times$  will be associated with a joker card than a multiplier of  $8\times$ .

Referring to FIG. 6C, the gaming device selects the multiplier of  $2\times$  and associates that multiplier with the displayed joker card 300d. The multiplier of  $2\times$  is then transferred to the multiplier card display 301 and placed in the multiplier card location 302a. Also, the multiplier is indicated in the multiplier display 304. The player has not obtained a winning hand award or a total award in the game as indicated by the winning hand award display 305 and the total award display 306, respectively.

Referring to FIG. 6D, the gaming device prompts or instructs the player to touch the cards that the player wants to hold or keep in the player's hand and to press the draw input or draw button when finished as indicated by the instruction display 303. In this example, the player touches or presses cards 300c and 300d to hold or to keep those cards in the

player's hand. The held cards are indicated by the word "hold" displayed below the card when the player picks that respective card. Thus, the player does not wish to hold cards 300a, 300b and 300e and therefore indicates to the processor that the player wants to replace these cards with randomly selected cards from the remaining cards in the deck or set of fifty-two cards. When the player is finished selecting cards to hold or keep in the player's hand, the player presses the draw button 307 as indicated in FIG. 6D to initiate another draw of the cards from the deck.

Referring to FIG. 6E, the gaming device replaces the nonheld cards 300a, 300b and 300e with cards including the King of diamonds, the ten of hearts, and the eight of spades, respectively. This provides the player with a winning card combination including a pair of Jacks. Thus, the player did not 15 improve their hand in the second draw. The gaming device indicates to the player that they have obtained a pair of cards which is a winning combination or winning hand in the game as indicated by the instruction display 303. The award associated with a winning hand including a pair of cards that are 20 Jacks or better is an award of five which is indicated in the winning hand award display 305. The winning hand award indicating by the winning hand award display 305 is multiplied by the total accumulated multiplier indicated in the multiplier display 304, which is 2x, to provide the player with 25 a total award of ten as indicated by the total award display 306. Because the game only includes two draws of the playing cards, the game ends and the player receives the total award of ten for the game.

Referring to FIGS. 7A to 7C, an example of a further 30 embodiment of the present invention is illustrated where the draw poker game includes multiple hands displayed to a player in a game. In FIG. 7A, the gaming device displays three hands 400 (Hand A), 402 (Hand B) and 404 (Hand C) to a player in the game. In this embodiment, the gaming device 35 provides an initial or first draw of cards to form each of the hands in the game. Specifically, in this embodiment, the gaming device provides an initial or first draw of cards to form the first hand 400 in the game. The second and third hands 402 and 404, respectively are formed with the same cards indi- 40 cated in the first hand 400. It should be appreciated that the cards that form the hands in a game may be the same cards or different cards. Thus, the gaming device randomly selects cards from a conventional deck or set of fifty-two cards to form the player's hand 400.

As illustrated in FIG. 7A, cards 401a, 401b, 401c, 401d and **401***e* include the nine of diamonds, the nine of spades, the Queen of hearts, a multiplier card including a multiplier of 2× and the Ace of spades, respectively. The gaming device then indicates the same cards in the player's hand 402 and 404 as 50 shown in FIG. 7A. Thus, cards 403a, 403b, 403c, 403d and 403e include the nine of diamonds, the nine of spades, the Queen of hearts, a multiplier card including a multiplier of 2× and the Ace of spades, respectively. Similarly, cards 405a, **405***b*, **405***c*, **405***d* and **405***e* include the nine of diamonds, the 55 nine of spades, the Queen of hearts, a multiplier card including a multiplier of 2× and the Ace of spades, respectively. The gaming device then prompts or instructs the player using the instruction display 408 to touch the cards in hand C or 404 that the player wants to hold or keep in that hand. Then the 60 gaming device instructs the player to press the draw button when finished to continue as indicated in the instruction display 408. In this embodiment, any cards that are held in hand 404 or hand C, will also be held in hand 400 or hand A, and hand 402 or hand B. This enables the player to have three 65 opportunities to obtain or improve a particular hand in the game. In this example, the player presses cards 401a, 401b

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and 401d to indicate that the player wants to hold or keep those cards in hands 400, 402 and 404. It should be noted that in this embodiment, the player has the option of holding or keeping the multiplier card 401d. Thus, a player may opt to not hold the multiplier card to obtain a better non-multiplier card or a better multiplier card in the game. In another embodiment, the gaming device automatically holds or keeps any multiplier cards indicated in one or more of the hands. Additionally, in this example, the gaming device sums the multipliers associated with the multiplier card or cards indicated in the hands in the game. In another embodiment, the gaming device multiplies the multipliers indicated in the hands. In a further embodiment, the gaming device only provides the multiplier (i.e., 2×) associated with one of the hands in the game such as the first hand.

In this example, the gaming device sums the multipliers indicated in each of the player's hands in the game. The player held card 401d which includes the multiplier card having a multiplier of  $2\times$ , and therefore the gaming device sums the multiplier indicated on the multiplier cards in each of the hands, which is  $6\times$ . The multipliers associated with the multiplier cards are transferred to the multiplier card display 406 and placed in multiplier card locations 407a, 407b and 407c. Furthermore, the total accumulated multiplier of  $6\times$  is indicated in the multiplier display 410. When the player finishes pressing the cards the player wants to hold, the player presses the draw button 416 to continue.

Referring to FIG. 7B, the gaming device provides a second draw of playing cards to replace the non-held cards in the hands in the game. The non-held cards in each of the hands are replaced with randomly selected cards from the remaining cards in the deck of fifty-two cards. Furthermore, the cards replaced in each of the hands are replaced with different cards, which enables the player to have three opportunities to obtain a winning hand in the game. In hand A or hand 400, the non-held cards 401c and 401e are replaced with the nine of hearts and the four of hearts, respectively. This hand now includes a winning hand of three of a kind (i.e., three cards including the number nine). The non-held cards 403c and 403e in hand B or hand 402 are replaced with the ten of clubs and the ten of diamonds, respectively. This combination of cards now indicates two pairs, which is also a winning hand in the game. The two pairs include a pair of nines and a pair of tens. The non-held cards 405c and 405e in hand C or hand 404 are replaced with the King of spades and the five of diamonds, respectively. This hand does not indicate a winning hand because a pair of nines is not equal to or greater in value than a pair of Jacks as indicated by the winning hand table of FIG. **3**B. Thus, the player obtained two winning hands in the game. In one embodiment, the gaming device sums the awards associated with each of the winning hands and provides the total accumulated winning hand award to the player in the winning hand award display 412. In another embodiment, the gaming device provides the player with the greatest or largest award associated with any of the winning hands indicated in the player's hands. In this example, the gaming device sums all of the awards associated with any winning hands indicated in the game.

Referring to FIG. 7C, the gaming device indicates to the player that the player received a full house and two pair as indicated by the instruction display **408**. The gaming device now provides the player with the awards associated with a full house, which is one hundred, and the award associated with two pair, which is ten. The total accumulated winning hand award of one-hundred-ten is indicated by the winning hand award display **412**. The winning hand award of one hundred ten is now multiplied by the total multiplier of 6× indicated by

the multiplier display **410** to provide the player with a total award of six hundred sixty as indicated in the total award display **414**. In this example, the gaming device only provides two draws of the playing cards in the game and therefore the game ends. The player receives the total award indicated by 5 the total award display which is six hundred sixty.

In a further embodiment of the present invention, the gaming device provides a method of playing a poker game. In one embodiment, the method includes the steps of playing a draw poker game and displays an initial or first draw of cards to 10 form a player's hand in the game. The first initial draw of cards are selected and dealt from a conventional deck or set of fifty-two playing cards which includes at least one multiplier card. The multiplier associated with the multiplier card may be any suitable multiplier as desired by the game implemen- 15 tor. The gaming device replaces any multiplier cards indicated in the initial draw of cards with a non-multiplier card. The player then picks or selects one or more of the cards to hold or keep in the player's hand. The non-held cards are replaced with randomly selected cards from the deck or set of 20 fifty-two cards in an additional or second draw of the cards dealt to the player. After the second draw, the player's hand is evaluated to determine if the player has obtained a winning combination of cards or winning hand in the game. If the player has obtained a winning hand, such as a full house, a 25 winning hand award associated with the winning hand is provided to the player. The award may be credits, coins, or any other suitable award.

In another embodiment of the method of the present invention, the deck or set of fifty-two cards includes a plurality of 30 multiplier cards. In this embodiment, a first draw of the cards forms the player's hand in the game. In one embodiment, any multipliers associated with multiplier cards indicated in the first draw of cards are summed together to provide a total accumulated multiplier to the player. In another embodiment, 35 the multipliers associated with the multiplier cards indicated in the initial or first draw are multiplied together to provide the total multiplier to the player. The multiplier cards are then replaced with non-multiplier cards in the player's hand. The non-multiplier cards are selected from the deck or set of 40 fifty-two playing cards. Therefore, the second draw of cards from the deck of fifty-two cards randomly replaces the multiplier cards indicated in the player's hand. After the second draw of cards, the player's hand is evaluated to determine if a winning combination of cards or winning hand is indicated by 45 the cards in the player's hand. The award associated with any winning combination of cards is provided to the player when the cards indicate a predetermined winning hand in the game. The award associated with any winning hands in the game is multiplied by the total accumulated multiplier in the game to 50 provide the total award for the game to the player. After the second draw, the game ends and the player receives the total award for the game.

In a further embodiment of the method of the present invention, the multiplier cards are represented by a specific 55 card in the deck of fifty-two cards such as a joker card. In another embodiment the multiplier cards are represented by a plurality of cards in the deck of fifty-two cards. After a draw of the cards, any joker cards indicated in the player's hand are associated with a multiplier, which is selected from a group of 60 multipliers. The multipliers may be any suitable multipliers and are each associated with a probability of being selected and associated with the joker cards. If more than one multiplier card is indicated in the game, the multipliers associated with the multiplier cards are summed together to provide a 65 total multiplier to player in the game as described above. Alternatively, the multipliers may be multiplied together to

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provide the total multiplier to the player in the game. The multiplier cards (i.e., the joker cards) are randomly replaced with non-multiplier cards in a second draw of cards from the deck of fifty-two cards. The player then picks or selects cards in the player's hand to hold or keep in the hand. A second draw of cards replaces the non-held cards in the player's hand. The player's hand is then evaluated to determine if a winning combination of cards or a winning hand is indicated by the cards. An award such as credits or coins associated with any winning hands is provided to the player in the game. The winning hand award is multiplied by the accumulated multiplier or multipliers in the game to provide a total award to the player in the game.

In another embodiment of the method of the present invention, the player is dealt two or more hands in a poker game. The initial or first draw of cards forms each of the hands in the multi-hand poker game. Any multiplier cards indicated in the hands are replaced with non-multiplier cards randomly selected from the deck of fifty-two cards. In one embodiment, the multipliers associated with the multiplier cards are summed together to provide a total multiplier to the player in the game. In another embodiment, the multipliers are multiplied together to provide the total multiplier to the player. In a further embodiment, only one of the multipliers associated with the multiplier card in one of the hands is provided to the player in the game. After the multiplier cards are replaced with non-multiplier cards, the player picks or selects cards to hold or keep in each of the hands. A second draw of cards then replaces the non-held cards in each of the hands to provide the player with multiple opportunities to obtain a winning hand in a game. Each of the hands are evaluated to determine if any of the hands includes a winning hand in the game. In one embodiment the awards associated with each winning hand in the game are summed together to provide the player with a total winning hand award in the game. The total winning hand award is multiplied by the total multiplier in the game to provide a total award to the player in the game. In another embodiment, only the largest award associated with any winning hands in the game is provided to the player. Thus, this winning hand award is multiplied by the total multiplier to provide the total award in the game.

In an alternative embodiment, the deck does not include a multiplier card or a modifier. Instead, the multiplier is provided separately from the cards dealt to the player in a game. In this embodiment, the multiplier is randomly selected from a plurality of different multipliers. The multiplier may be displayed to the player on the same display device as the player's hand, on a separate display device or on any suitable display viewable by the player. In this embodiment, the occurrence of the multiplier is randomly determined to apply to the player's hand or not to apply to the player's hand. Therefore, a multiplier may or may not be provided to the player in a game in a similar manner as if it was dealt to the player from the deck of cards. However, this embodiment further enables the game implementor to employ the exact probability for setting the odds the multiplier will occur. If a multiplier is provided to the player, any award associated with a winning combination of cards or winning outcome is multiplied by the multiplier.

In one embodiment, the multiplier is only provided one time in a game. For example, if a multiplier is selected and displayed when the first set of cards or the first draw is dealt to the player, another multiplier will not be provided in the game. In another embodiment, the multiplier can be provided a plurality of times in a game. In this embodiment, the multiplier may be provided in one draw, a plurality of draws or provided independently for a game.

In another embodiment, the gaming device displays two or more hands to a player in a game as described above and a multiplier is randomly selected and provided to the player for each of the hands in the game. In this embodiment, the multiplier provided for each hand is different. It should be appreciated that at least one of the multipliers provided for the hands may be different, a plurality of the multipliers provided for the hands may be different or all of the multipliers provided for the hands may be different. The multipliers provided for each of the hands are multiplied by any awards 10 associated with winning card combinations in the hands and then provided to the player. In another embodiment, a plurality of multipliers are provided to the player for each hand. In this embodiment, the multipliers in each hand are summed, multiplied or combined in any suitable manner to provide a 15 total multiplier for each hand. Any awards associated with the hands are multiplied by the total multipliers for the hands and then provided to the player.

In a further embodiment, the occurrence of a multiplier being provided to the player in a game is associated with a 20 probability. In one aspect of this embodiment, the probability of providing a multiplier increases after each draw of the cards. In another aspect, the probability increases after a plurality of draws. It should be appreciated that the probability may increase, decrease or remain unchanged in one, a 25 plurality or all of the draws in the game.

In another embodiment, a probability of being selected and displayed to a player is associated with each of the multipliers in a group of different multipliers associated with a game. In this embodiment, the multipliers are randomly selected and 30 displayed in a game based on the probabilities. It should be appreciated that any suitable probability may be associated with one or more of the multipliers in a game.

In one embodiment, when a multiplier is provided to the player, the multiplier is displayed when the cards are dealt to 35 the player to enable the player to know the multiplier that will apply to that hand if the player wins. In another embodiment, the multiplier is not provided and displayed to the player until after the first draw. In a further embodiment, the multiplier is not provided and displayed to the player until after a plurality 40 of draws. It should be appreciated that the multiplier may be provided to the player at any time in a game or not at all.

It should be appreciated that the present invention is described as employing one or more conventional decks including fifty-two playing cards. It should be appreciated 45 that the present invention may employ any suitable cards including any suitable number of cards.

It should also be appreciated that the method of the embodiments described above may be employed in a stud poker game, a draw poker game or any suitable type of poker 50 game. It should be further appreciated that the present invention may be employed in a primary game or a secondary game of a wagering game device.

While the present invention is described in connection with what is presently considered to be the most practical and 55 preferred embodiments, it should be appreciated that the invention is not limited to the disclosed embodiments, and is intended to cover various modifications and equivalent arrangements included within the spirit and scope of the claims. Modifications and variations in the present invention 60 may be made without departing from the novel aspects of the invention as defined in the claims, and this application is limited only by the scope of the claims.

The invention is claimed as follows:

- 1. A gaming system comprising:
- a housing;
- at least one display device supported by the housing;

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- a plurality of input devices supported by the housing, said plurality of input devices including:
  - (i) an acceptor, and
  - (ii) a cashout device;
- at least one processor; and
- at least one memory device storing a plurality of instructions which, when executed by the at least one processor, cause the at least one processor to operate with the at least one display device and the plurality of input devices to:
  - (a) if a physical item is received via the acceptor, establish a credit balance based, at least in part, on a monetary value associated with the received physical item:
  - (b) for a play of a game:
    - (i) initially display a designated quantity of cards from a virtual deck of cards to form a hand, said designated quantity being at least two, said virtual deck of cards including fifty-two cards and at least one modifier card; and
    - (ii) when the at least one modifier card is displayed in said initially displayed hand:
      - (A) for each modifier card displayed:
        - (I) automatically replace said displayed modifier card in said hand with another one of the cards from the virtual deck of cards,
        - (II) display said hand including the card that replaced said displayed modifier card in said hand, and
        - (III) display an indication of said replaced modifier card in a modifier card display area,
      - (B) thereafter, enable a player to select either none, one, or a plurality of cards in said hand to be held in said hand, said cards in said hand selectable to be held including any of the initially displayed fifty-two cards from the virtual deck of cards and any of the cards from the virtual deck of cards which replaced any initially displayed modifier cards.
      - (C) replace each of any non-held cards in said hand with another one of the cards from the virtual deck of cards,
      - (D) display said hand including any held cards in said hand and any cards which replace any nonheld cards in said hand.
      - (E) if said hand has any winning card combination, determine an award associated with said winning card combination, and
      - (F) display a total award, said total award based on said determined award and the replaced at least one modifier card, wherein the credit balance is increasable based on the displayed total award; and
  - (c) if a cashout input is received via the cashout device, cause an initiation of any payout associated with the credit balance.
- 2. The gaming system of claim 1, wherein at least one of the modifier cards is associated with a multiplier.
- **3**. The gaming system of claim **1**, wherein the virtual deck of cards includes a plurality of modifier cards.
- 4. The gaming system of claim 3, wherein at least one of the plurality of modifier cards is associated with a multiplier.
- 5. The gaming system of claim 1, wherein the display, of the indication of said replaced modifier card in the modifier card display area includes a display of the replaced modifier card.

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- **6**. The gaming system of claim **1**, wherein the display of the indication of said replaced modifier card in the modifier card display area includes a display of a modifier associated with the replaced modifier card.
- 7. The gaming system of claim 1, wherein the display of the 5 indication of said replaced modifier card in the modifier card display area includes a display of a multiplier associated with the replaced modifier card.
- 8. The gaming system of claim 1, wherein the plurality of instructions, when executed by the at least one processor, 10 cause the at least one processor to operate with the at least one display device and the at least one input device, for the play of the game, to replace any displayed modifier card in the hand after enabling the player to select either none, one, or a plurality of cards in said hand to be held in said hand.
  - 9. A gaming system comprising:
  - a housing;
  - at least one display device supported by the housing;
  - a plurality of input devices supported by the housing, said plurality of input devices including:
    - (i) an acceptor, and
    - (ii) a cashout device;
  - at least one processor; and
  - at least one memory device storing a plurality of instructions which, when executed by the at least one processor, 25 cause the at least one processor to operate with the at least one display device and the plurality of input devices to:
    - (a) if a physical item is received via the acceptor, establish a credit balance based, at least in part, on a monetary value associated with the received physical item:
    - (b) for a play of a game:
      - (i) initially display a designated quantity of cards from a virtual deck of cards to form a hand, said 35 designated quantity being at least two, said virtual deck of cards including fifty-two cards and a plurality of modifier cards, each of the modifier cards associated with one of a plurality of multipliers; and
      - (ii) when at least one of the modifier cards is displayed in said initially displayed hand:
        - (A) automatically replace one of the displayed modifier cards in said hand with another one of the cards from the virtual deck of cards,
        - (B) display said hand including the card that replaced the displayed modifier card in said hand,
        - (C) display said multiplier associated with the replaced modifier card,
        - (D) thereafter, enable a player to select either none, one, or a plurality of cards in said hand to be held in said hand, said cards in said hand selectable to be held including any of the initially displayed fifty-two cards from the virtual deck of cards and any of the cards from the virtual deck of cards which replaced any initially displayed modifier
        - (E) cause each of any non-held cards in said hand to be replaced with another one of the cards from 60 the virtual deck of cards,
        - (F) display said hand including any held cards in said hand and any cards which replace any nonheld cards in said hand;
        - (G) if said hand has any winning card combination, 65 determine an award associated with said winning card combination; and

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- (H) display a total award, said total award based on said determined award and the multiplier associated with the replaced modifier card, wherein the credit balance is increasable based on the displayed total award; and
- (c) if a cashout input is received via the cashout device, cause an initiation of any payout associated with the credit balance.
- 10. A method of operating a gaming system, said method comprising, for a play of a game:
  - causing at least one processor to execute a plurality of instructions stored in at least one memory device to:
    - (a) initially display a designated quantity of cards from a virtual deck of cards to form a hand, said designated quantity being at least two, said virtual deck of cards including fifty-two cards and at least one modifier card; and
    - (b) when the at least one modifier card is displayed in said initially displayed hand:
      - (i) for each modifier card displayed:
        - (A) automatically replace said displayed modifier card in said hand with another one of the cards from the virtual deck of cards,
        - (B) display said hand including the card that replaced said displayed modifier card in said hand, and
        - (C) display an indication of said replaced modifier card in a modifier card display area;
      - (ii) thereafter enable a player to select either none, one, or a plurality of cards in said hand to be held in said hand, said cards in said hand selectable to be held including any of the initially displayed fiftytwo cards from the virtual deck of cards and any of the cards from the virtual deck of cards which replaced any initially displayed modifier cards,
      - (iii) replace each of any non-held cards in said hand with another one of the cards from the virtual deck of cards.
      - (iv) display said hand including any held cards in said hand and any cards which replace any non-held cards in said hand;
      - (v) if said hand has any winning card combination, determine an award associated with said winning card combination; and
      - (vi) display a total award, wherein said total award is based on said determined award and the replaced at least one modifier card, and a credit balance is increasable based on the displayed total award, said credit balance being: (A) increasable via an acceptor of a physical item associated with a monetary value, and (B) decreasable via a cashout device.
- 11. The method of claim 10, wherein at least one of the modifier cards is associated with a multiplier.
- 12. The method of claim 10, wherein the virtual deck of cards includes a plurality of modifier cards.
- 13. The method of claim 12, wherein at least one of the plurality of modifier cards is associated with a multiplier.
- 14. The method of claim 10, wherein the display of the indication of said replaced modifier card in the modifier card display area includes a display of the replaced modifier card.
- 15. The method of claim 10, wherein the display of the indication of said replaced modifier card in the modifier card display area includes a display of a modifier associated with the replaced modifier card.

- 16. The method of claim 10, wherein the display of the indication of said replaced modifier card in the modifier card display area includes a display of a multiplier associated with the replaced modifier card.
- 17. The method of claim 10, which includes causing the at bleast one processor to execute the plurality of instructions to replace the displayed modifier card after enabling the player to select either none, one, or a plurality of cards in said hand to be held in said hand.
- **18**. The method of claim **10**, which is provided through a data network.
- 19. The method of claim 18, wherein the data network is an internet.
- 20. A method of operating a gaming system, said method  $_{15}$  comprising, for a play of a game:

causing at least one processor to execute a plurality of instructions stored in at least one memory device to:

- (a) initially display a designated quantity of cards from a virtual deck of cards to form a hand, said designated 20 quantity being at least two, said virtual deck of cards including fifty-two cards and a plurality of modifier cards, each of the modifier cards associated with one of a plurality of multipliers; and
- (b) when at least one of the modifier cards is displayed in 25 said initially displayed hand:
  - (i) automatically replace one of the displayed modifier cards in said hand with another one of the cards from the virtual deck of cards,
  - (ii) display said hand including the card that replaced the displayed modifier card in said hand,

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- (iii) display said multiplier associated with the replaced modifier card,
- (iv) enable a player to select either none, one, or a plurality of cards in said hand to be held in said hand, said cards in said hand selectable to be held including any of the initially displayed fifty-two cards from the virtual deck of cards and any of the cards from the virtual deck of cards which replaced any initially displayed modifier cards,
- (v) cause each of any non-held cards in said hand to be replaced with another one of the cards from the virtual deck of cards,
- (vi) display said hand including any held cards in said hand and any cards which replace any non-held cards in said hand,
- (vii) if said hand has any winning card combination, determine an award associated with said winning card combination, and
- (viii) display a total award, wherein said total award is based on said determined award and the multiplier associated with the replaced modifier card, and a credit balance is increasable based on the displayed total award, said credit balance being: (A) increasable via an acceptor of a physical item associated with a monetary value, and (B) decreasable via a cashout device.
- 21. The method of claim 20, which is provided through a data network.
- ${\bf 22}.$  The method of claim  ${\bf 21},$  wherein the data network is an internet.

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